BOULDER 7 FIRE-RESCUE STATION

PROJECT DETAILS

SIZE - 28,000 sf

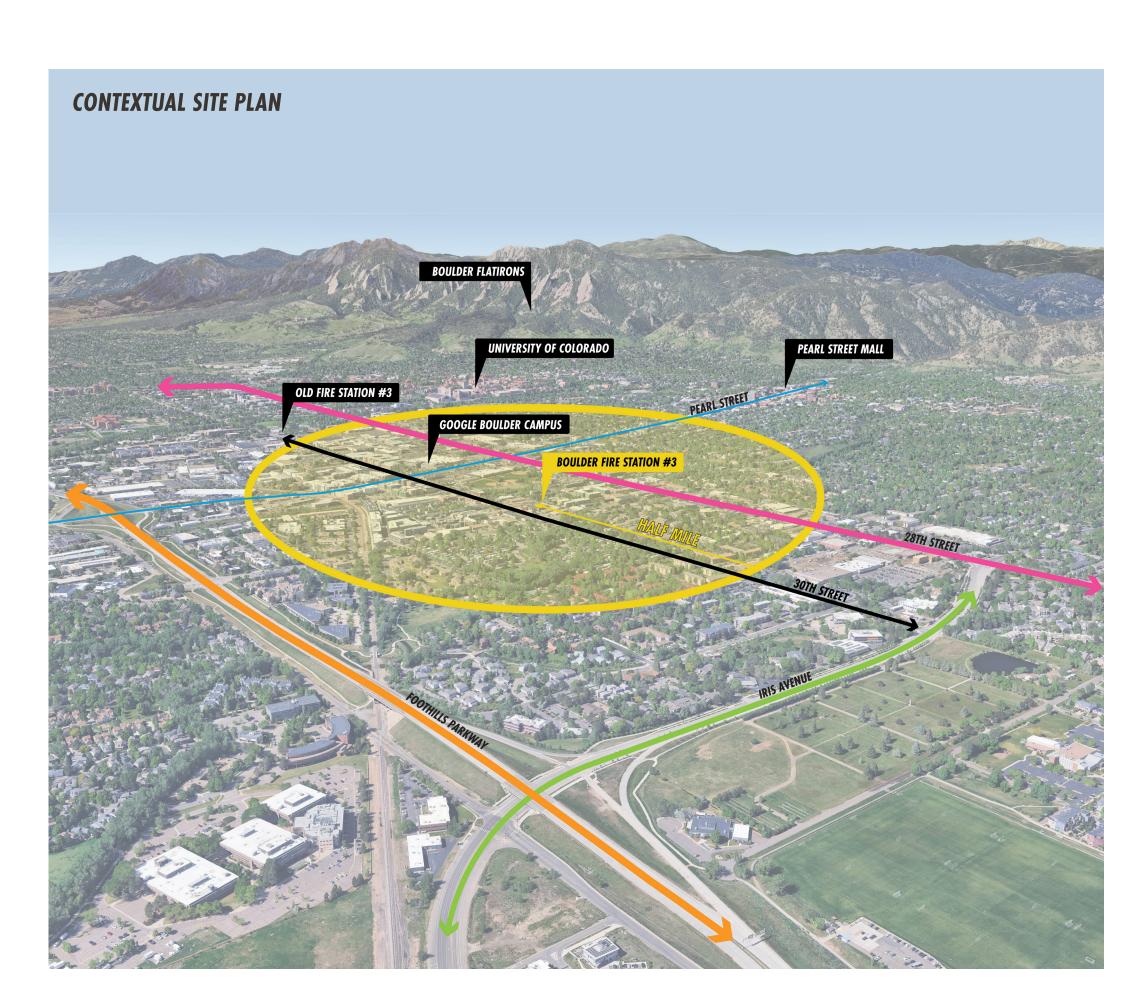
COMPLETION DATE - October 2024
CONSTRUCTION COST - \$23 Million
LOCATION - 2875 30th St, Boulder, CO 80301
CLIENT - Boulder Fire-Rescue Department & City of Boulder

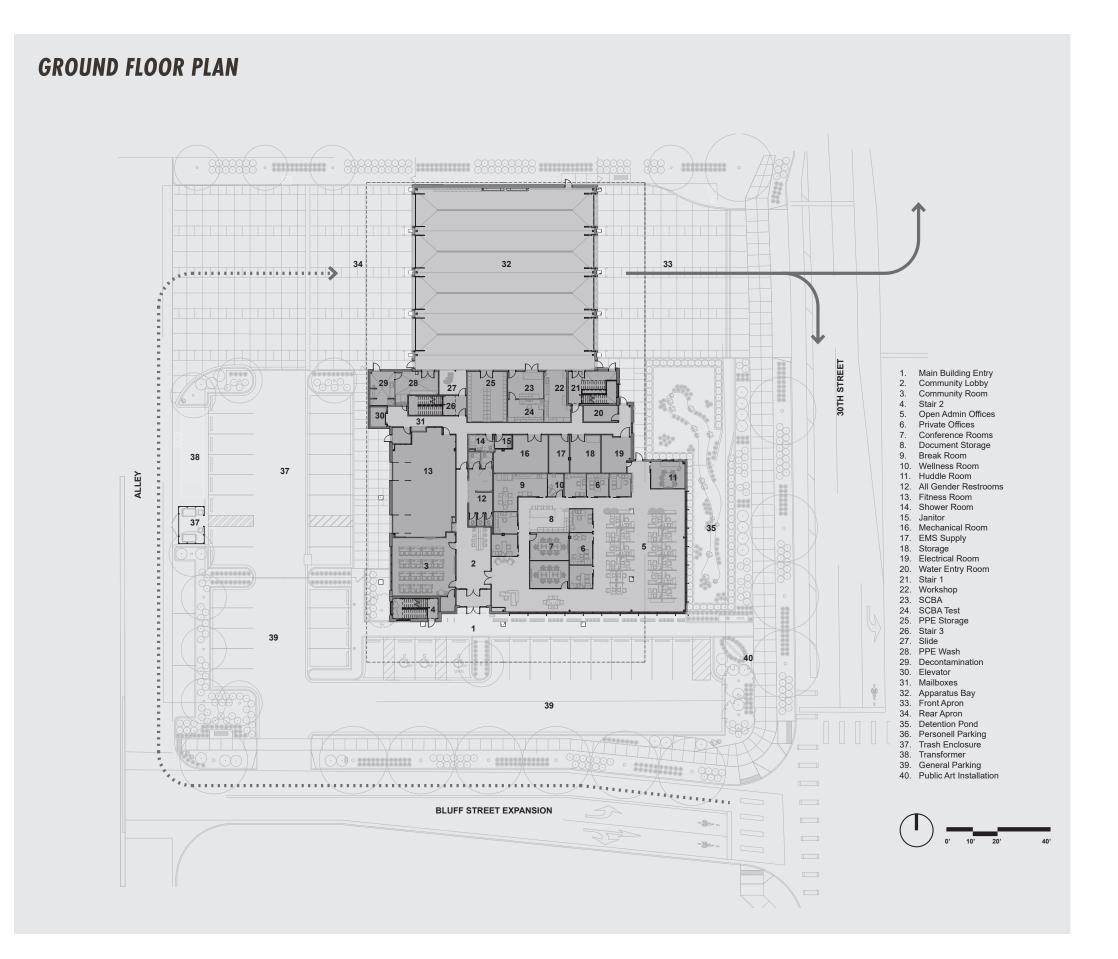
PROGRAM SUMMARY

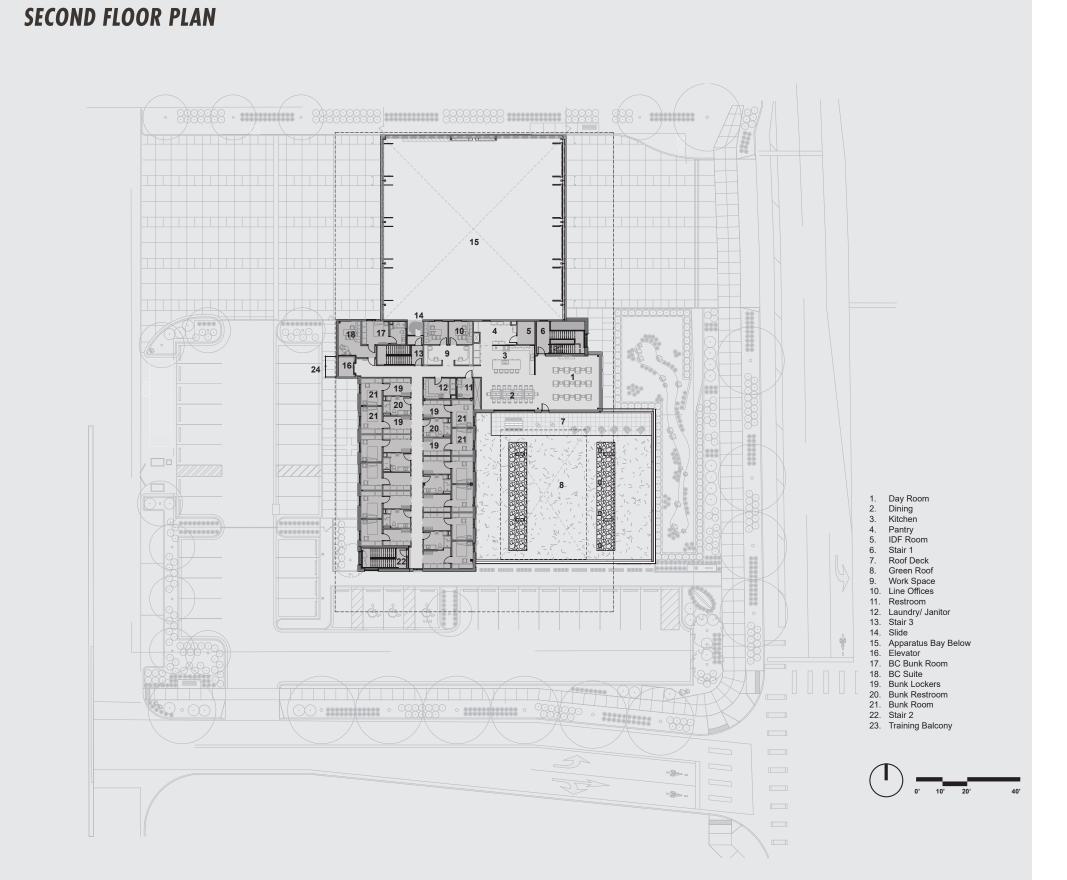
Fire Station #3 in Boulder, Colorado is designed to serve a growing and increasingly dense area of the city, with the primary goal of reducing emergency response times. The facility includes 22,000 square feet dedicated to core fire station operations and 6,000 square feet for fire-rescue administration. The station features four apparatus bays along with adjacent workspaces to support the storage, maintenance, and cleaning of critical firefighting equipment. Living quarters include bunks for 12 firefighters, accommodating three full crews, as well as kitchen, dining, day-room, outdoor patio, and fitness areas to support their living needs while on active shifts. This modern, full-service fire-rescue station is a key investment in public safety infrastructure for the expanding community.









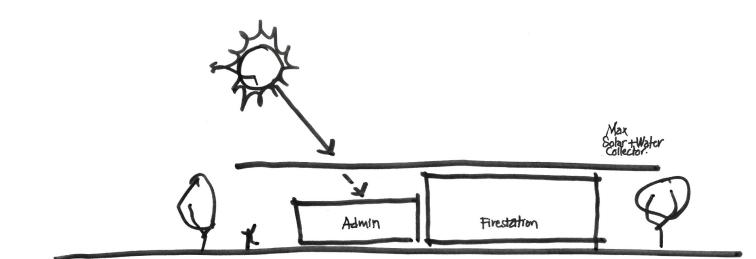




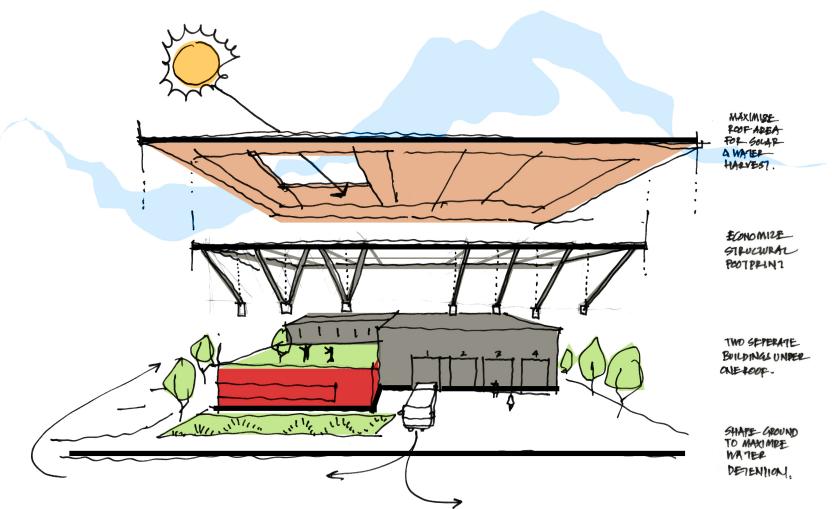
HIGH PERFORMANCE DESIGN & SUSTAINABILITY GOALS

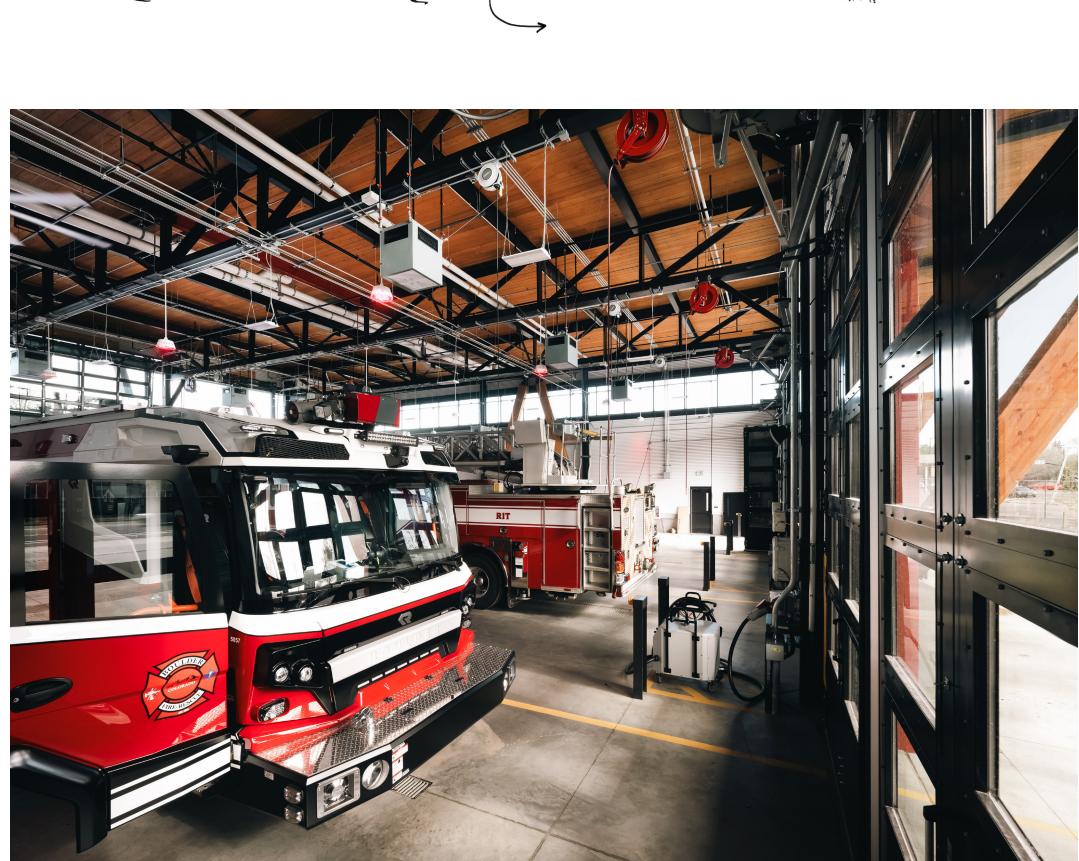
The City of Boulder needed to replace an aging fire station with a facility that could serve the community for the next 100 years. The City's goals were ambitious: the new building had to be a model of environmental stewardship, align with Boulder's climate goals, and provide a highly sophisticated operational base that was also a secure and restorative home for its firefighting crews who are regularly responding to emergencies. A design that acts as a beacon of sustainability, organized under a single, expansive roof canopy. This sweeping roof cantilevers out in all directions. It provides a solid platform for a 207 kW PV solar array, a shelter for the large openings of the Apparatus Bay, and an opening which allows light to feed the 6,000 sf green-roof; all while unifying the varying programs and forms below. As a foundational commitment to sustainability, the design incorporated 25,000 kg of repurposed steel from the decommissioned Boulder Community Hospital down the street. The layout strategically separates the ground-floor operational zones from the second-floor living quarters to support crew well-being. These spaces include a dayroom, a large kitchen, and fitness facilities, all with direct access to an outdoor terrace and the green roof. By providing a healthy environment, the design supports the firefighters so they can better serve their community and fulfill their critical mission of public safety.

FIRE-STATION TO ADMINISTRATION RELATIONSHIP



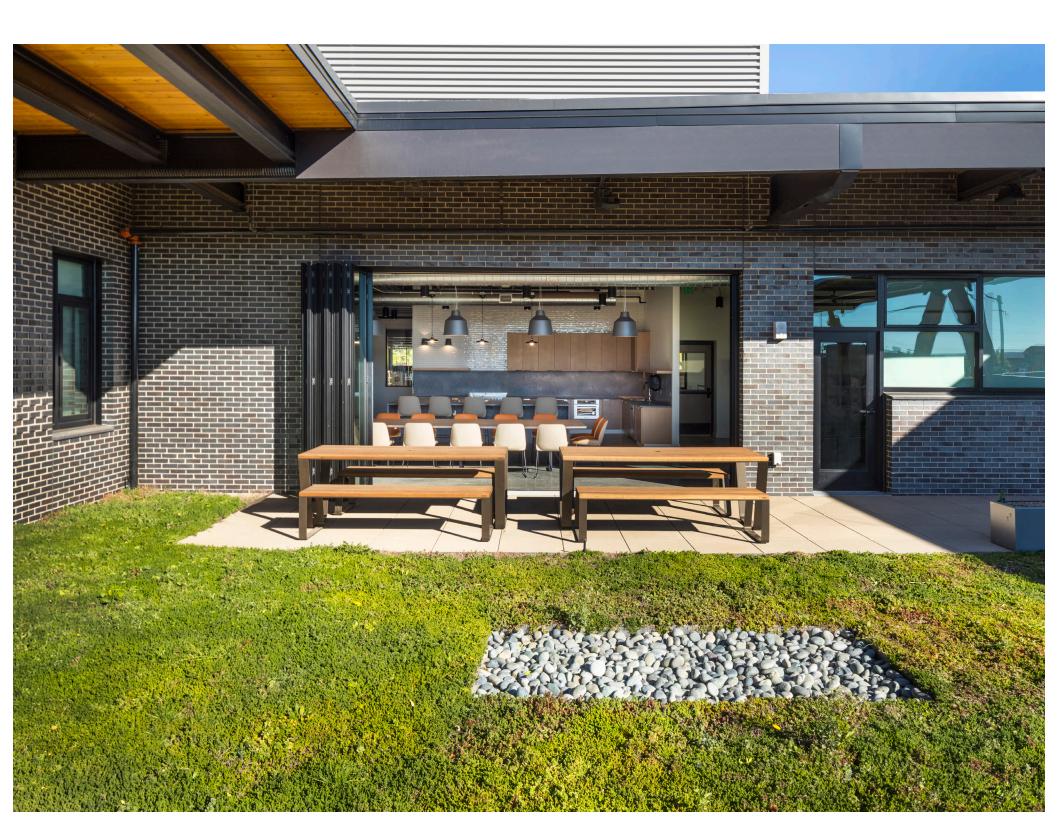
CONCEPTUAL FRAMEWORK DIAGRAM



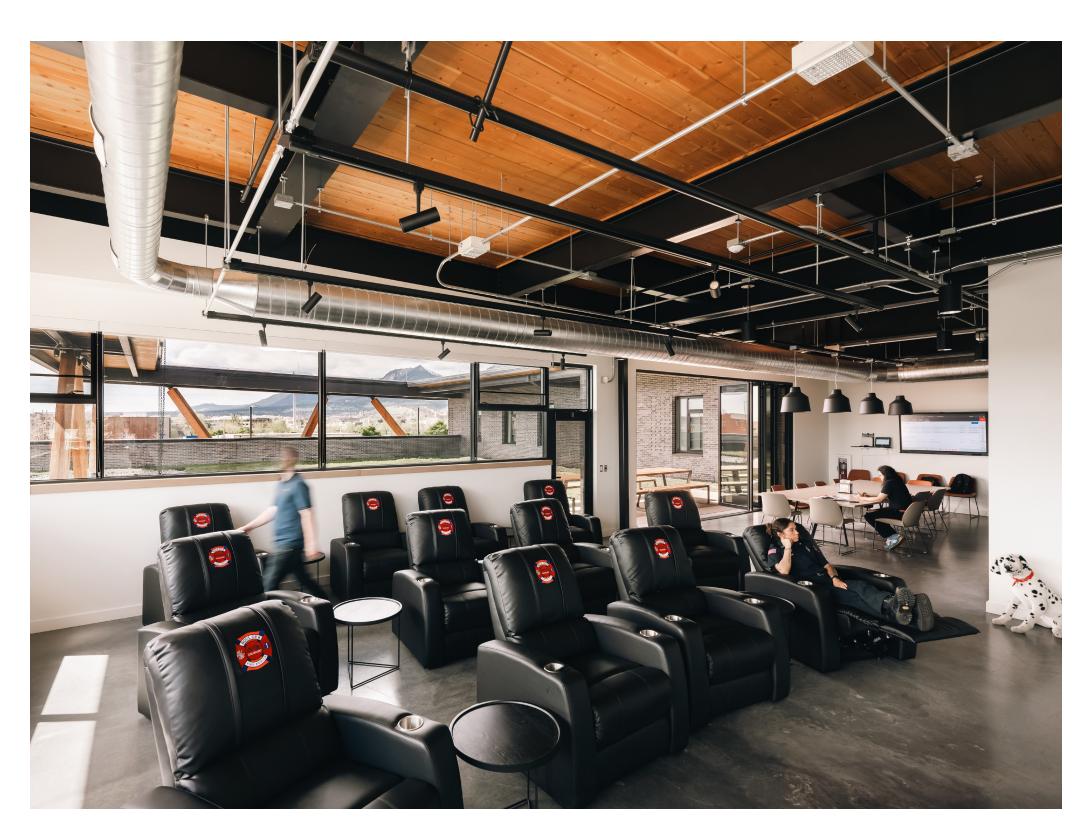


PIONEERING AN ALL-ELECTRIC FUTURE - The facility is a resilient building designed to support a zero-emissions future. Its all-electric design eliminates onsite fossil fuels and makes it the first in Colorado equipped to house an electric fire truck. By enabling next-generation technology, the building becomes an active catalyst for the future of public safety, not just a passive structure.

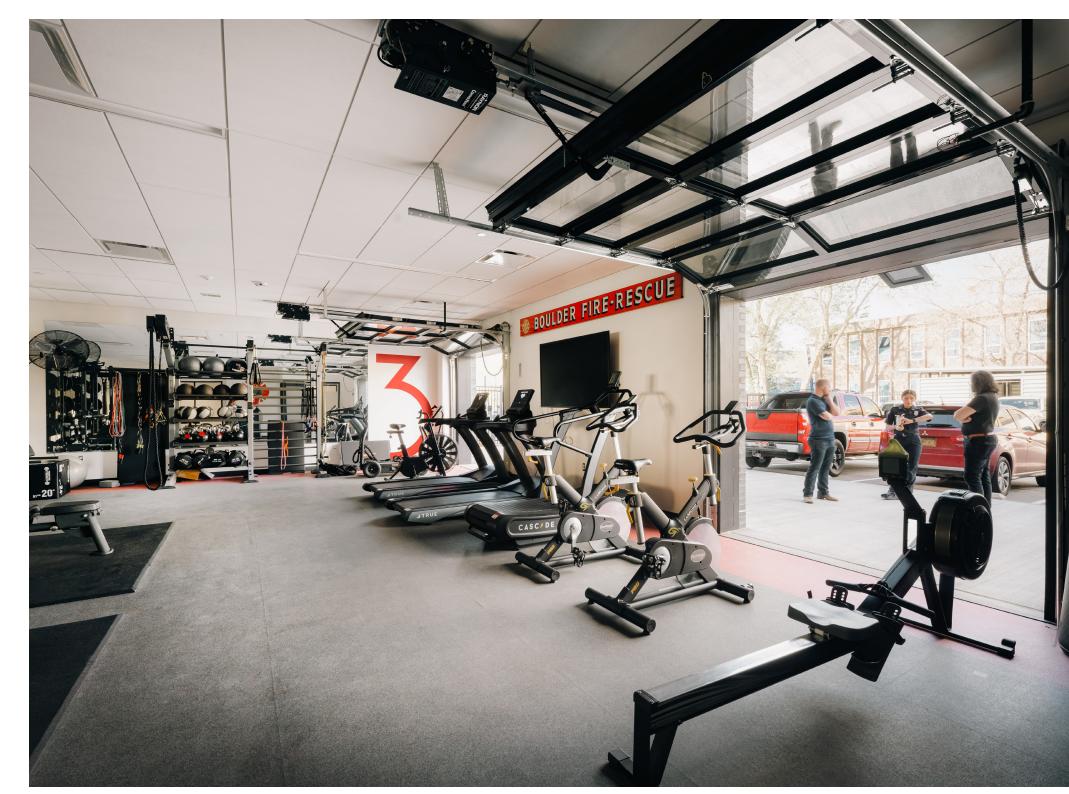




GREEN ROOF FOR HEALTHY LIVING & STORMWATER MANAGEMENT - The green roof offers several beneficial biophysical effects. It helps regulate indoor temperatures by reducing heat gain in summer and heat loss in winter. The roof absorbs rainwater, slowing stormwater. It dampens noise from wind, rain, and urban activity, creating a quieter indoor environment.



LAYOUT FOR EASY FLOW & QUICK RESPONSE - The fire station layout fine-tunes spatial adjacencies to minimize response time by placing living quarters in direct, linear alignment with the apparatus bay. Eliminating 90-degree turns ensures a swift, unobstructed path of travel, enhancing firefighter safety and accelerating turnout during emergencies.



STRENGTH FOR SERVICE - The fitness room is designed to provide a variety of physical training opportunities for crews to maintain both cardiovascular health & strength training. The roll-up doors allow for indoor-outdoor training when the weather is nice.